

FIGURE 1

Arabidopsis_ (gi 3935185)	MKK-----I-SSHSYVVIAILVVVTMTSMCQAVGSN-----VYPLILVPGNGGNQLEVR
corn_ (SEQ ID NO:2)	MAR-IPQVLAPLLLLLLPAGLR--ELMIDRRPLPKRCRREVLLHPLVLVPGGLTCSELDAR
corn_ (SEQ ID NO:4)	MVHDMAS-----CSRGGTIVLSKFASTRRAPKQ-----LPPVVVVPGYATNELDAR
corn_ (SEQ ID NO:6)	MASSLLQQLLSLLLLLPSPLRLREHLSGNHAVSAN-----NFHPIFLVAGVSCSDLEAR
soybean_ (SEQ ID NO:8)	MKKEQEEGL-KIEVATLTVTVVVVMLSLCTCGASN-----LDPLILIPGNGGNQLEAR
Arabidopsis_ (gi 3935185)	LDREYKPSVWCSSWLYPIHKKSGGWFRLWFDAAVLLSPFT-RCFSDRMMLYDPLDDDY
corn_ (SEQ ID NO:2)	LTDAYRPFRAACDE-----GEGVLRLWTNCSDLPAHHYVRCFMEQMALVYDPVANDY
corn_ (SEQ ID NO:4)	LTELYHPSSPRCA-----HKGKGWFRLYLNYTALEDAADVRCFAEQMATAYDAASDDY
corn_ (SEQ ID NO:6)	LTEEYRPSVPHCGA-----MKGKGWFGWLKNSSELLSRDYVQCFFEEQMSLVYDPAINEY
soybean_ (SEQ ID NO:8)	LTNQYKPTFICESW-YPLIKKNGWFRLWFDSSVILAPFT-QCFAERMTLHYHQELDDY
Arabidopsis_ (gi 3935185)	QNA PGVQTRVPHFSGTSKSLLYDPRLRDATSYMEHLVKALEKKCGYVNDQTIL
corn_ (SEQ ID NO:2)	RNLPGVETVRNFGSSRGF-QKNPEHTTWSWCFEVLRNELARA-GYRDGDTLF
corn_ (SEQ ID NO:4)	RNAQGVETRVPFEGSTRAFRYPDPDRNF-SYMDKFVSRLERL-AYRDGENLF
corn_ (SEQ ID NO:6)	RNLAGVETRVNFGSTRAFSHKNP LKSD--WCLGKLRAALEDM-GYRDGDTMF
soybean_ (SEQ ID NO:8)	ENTPGVETRVPHFGSTNSLLYINPRLKHITGYMAPLVDSLQKL-GYADGETLF
Arabidopsis_ (gi 3935185)	GLAASGHPSRVASQFLQDLKQLVEKTSSENEGKPVILLS
corn_ (SEQ ID NO:2)	APPVPGQPSRSSPATSVGWPSLVEDASRKNRGRKVILFG
corn_ (SEQ ID NO:4)	AVAPPGHPSRVADAFFGRLRRLVERASRANGGGPVTIVA
corn_ (SEQ ID NO:6)	APSPGQTSEVYSRYFKELMELVEAASERTR-KKAVILG
soybean_ (SEQ ID NO:8)	GLAAEGHPSQVGSKFLKDLKNLIEEASNSNNGKPVILLS
Arabidopsis_ (gi 3935185)	RKYIKHFVALAAPW-GGTISQMKTFASGNTLG-VPLVNPL--LVRRHQRTSESQWLLPS
corn_ (SEQ ID NO:2)	DRYIKHLFLVAPVPAEGFVKPLQYFVSGSNLMYVPTVSSLEPAFRPMWRTFESSLVNFPS
corn_ (SEQ ID NO:4)	RRFVRRFPVPAAPW-GGVVIGMLTIVAGNNLG-LPFVDPL--ALKGEYRSLSQSLWPLPN
corn_ (SEQ ID NO:6)	REHIERLVVAPTLPGGFLEPVRNFASGTDILYVPATTPLAT--RAMWRSFESAIVNFPS
soybean_ (SEQ ID NO:8)	KKFIKHFIALSAPW-GGAIDEMYTFAAGNTLG-VPLVDPL--LVRDEQRSSESNLWLLPN

Arabidopsis_(gi 3935185)	TKVFHDRTKPLVVTPQVNYTA--YEMDRFFADIGFSQGVVPYKTRVLPLTEELMTPGVVPV		
corn_(SEQ ID NO:2)	PAVFGR--RPLVVTARRNYSA--YDLEDLLVAVGYGAGVEPFRRAVPKMSYFQAPMVPT		
corn_(SEQ ID NO:4)	PNAFRA-GQPLVTTTSTRTYTA--HDMADFLDAIGLAAIVPYQSRVLPFLFRELPSRPVPV		
corn_(SEQ ID NO:6)	PAVFGRLQAPLVVTRERNYSASAHDMERFLAAVGSGEAAEPFRRAVPKMGSAAPMVPM		
soybean_(SEQ ID NO:8)	PKIF-GPQKPIVITPIRPYSA--HDMVDFLKDIGFPEGVYPYETRIPLIGNIKAPQVPI		
Arabidopsis_(gi 3935185)	TCIY	KQPEIK-	ASLAAL-----KVDS-LN
corn_(SEQ ID NO:2)	TCMN	ATPEIV-	VSMLAFDEKMRRQPEQNKVYK
corn_(SEQ ID NO:4)	ACVV	VTPEMV-	VSLLAVDP-AWRLPTA-Y-FR
corn_(SEQ ID NO:6)	TYIS	AAPEVAA	ISVLAFEKEMRRQPEQKKQFK
soybean_(SEQ ID NO:8)	TCIM	ERPEIS-	VSLLALQS-LWKEEKQY-LK
Arabidopsis_(gi 3935185)	TVEIDGVSHTSILKDEIALKEIMKQISIINY--ELANVNAVNE		
corn_(SEQ ID NO:2)	SIKIRGAQHGTIVTDDTALKRVMHEILEANR-----S		
corn_(SEQ ID NO:4)	MLKVRNVSHGTGLFVDDAALAVIISAI-----LRPN		
corn_(SEQ ID NO:6)	SIKINKAQHSTIVTDDFALHRVIOEIVEANNQK-----IPS		
soybean_(SEQ ID NO:8)	VVKIDGVSHTSILKDEVALNEIVGEITSINSHAEGLSLNLFSG		